

## Network Video (IP) Server Lite Workstation

### Description

The Network Video Server Lite is a combination desktop processing server and video management workstation capable of continuously recording and digitally storing video images from up to 4 ONVIF IP cameras or analog cameras outfitted with an ONVIF capable IP encoder. Contact Fike Video Analytics for camera compatibility. The server can be used in places where analog/network cameras are already in place. As a VMS workstation, the server can monitor multiple FSM-IP NVRs and Network Video Servers, including their connected cameras using the preloaded Video Management Software (VMS).

VMS is a customizable surveillance and alarm monitoring software designed to be the user interface for the Fike Video Analytics System. The software makes it easy to search and playback events stored in the NVR's video archives for forensic analysis of the events leading up to the fire.

The Network Video Server Lite uses proprietary onboard analytics to continuously monitor the video, frame-by-frame, pixel-by-pixel to detect anomalies characteristic of fire, smoke and motion within the field of view of the ONVIF IP cameras. In the event of a fire or the production of smoke, the server will issue a warning signal by digitally streamed transmissions over IP to a VMS workstation. Server video processing algorithms include:

**Flaming Fires** - looks for a specific fire pattern consisting of a bright core of the flame and a flickering corona.

**Smoke Plumes** - identifies the anomalies that are caused by smoke and analyzes the progression over a period of time to identify a growing smoke plume.

**Ambient Smoke** - monitors the light diffusion from light sources and bright objects in the video images to detect the pattern consistent with the slow accumulation of smoke.

**Intrusion Detection** - can monitor multiple areas of the video image for the presence of moving objects at different times. This can be used to detect and record wanted or unwanted persons.



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### Features and Benefits

- Can handle up to 4 ONVIF IP cameras
- Video Management Software (VMS) preloaded
- Network Transparent
- Remote playback of archived events
- Integrates building and floor plans
- Provides continuous video recording for each ONVIF IP camera
- Has "Administrator" and "Guard" access levels
- Provides visual and voice alarm communications
- Built-in speakers for audible alarms
- Can be used as a VMS workstation
- Recorded video can be downloaded in .wmv or .axm format

### Ordering Information

Fike P/N	Description
28-121	Network Video Server Lite for ONVIF compliant IP cameras (4 cameras maximum)

This document is only intended to be a guideline and is not applicable to all situations. Information is subject to Fike's full disclaimer at <http://www.fike.com/disclaimer>.

## Specifications

Operating System	Windows® 10 Home
Processor	6 <sup>th</sup> generation Intel® Core™ i3-6100T, Dual-Core, 3.20GHz
Cache	3MB Cache
Memory	8GB DDR3L-1600 SDRAM, (expandable to 16GB)
Hard Drive	1TB 7200RPM SATA
Optical Drive(s)	Ultra Slim-tray SuperMulti DVD Burner
Video Graphics	Intel® HD Graphics 530
Network Interface	10/100/1000 Base-T Network
Wireless Connectivity	Wireless LAN 802.11a/b/n/ac (1x1) and Bluetooth® 4.0 M.2 combo
Sound	Integrated Speakers
Memory Slots	2 DDR3L DIMM (SO-DIMM) (occupied)
Expansion Slots	1 M.2 (available)
Memory Card Reader	HP 3-in-1, Supports SD, SDHC, SDXC
External Ports	- Headphone/Microphone combo - HDMI Out - Rear I/O: 4 USB 2.0 - Bottom: 2 USB 3.0 (1 supports charging)
Mouse and Keyboard	Black and white wireless keyboard and mouse
Web Camera	Intel® RealSense™ Camera (1920x1080, 2MP), with integrated microphone; infrared (640x480) camera
Integrated Display	10-point touch-enabled 23-inch diagonal widescreen IPS FHD LED backlit display (1920x1080) full HD
Power Supply	120W Power Supply (external)
Dimensions	22.35 in (L) x 7.60 in (W) x 17.74 in (H) approx. (unpacked)
Weight	17.75 lb. approx. (unpacked)

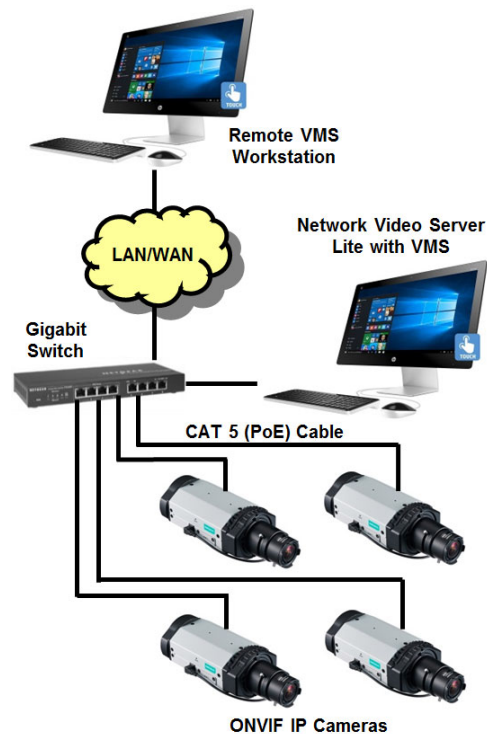
## Software

Alarm Monitoring	Fike Video Analytics software <b>pre-installed</b> . Enables on request playback of video data recorded on the FSM-IP NVR Lite.
Access Levels	Guard and Administrator
User Interface	Access to video channels can be custom configured in accordance to the organizational, geographical and topological structure of your organization.
Annunciation	Provides visual and voice alarm annunciations
Recording Capacity	NVR's 1TB hard drive is capable of storing video data for up to 4 ONVIF IP cameras for 7 days or more on average depending upon configuration settings

## System Architecture

In its basic configuration, the Fike Video Analytics system will consist of at least one ONVIF IP camera and Network Video Server Lite workstation running the Fike Video Management Software (VMS), all connected to the same high-speed local area network (LAN). Remote VMS workstations can be located on a different network and will communicate normally as long as the server is accessible over a TCP connection.

Where Alarm annunciation is required, a WISE relay module (P/N 28-064) can be added. It provides 7 configurable relays that can be tied into an FM Approved Fire Alarm Control Panel (FACP) to signal an alarm condition.



## Network Requirements

In order for the Network Video Server Lite to function properly and communicate with the ONVIF IP cameras, they must all share the same high-speed local area network (LAN).

If integrating the Fike Video Analytics components into an existing LAN, consult with your IT representative or system administrator to ensure that adequate capacity is available to handle the camera(s) bandwidth. Contact your Fike Video Analytics distributor for additional information regarding network requirements.

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